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GROUP 410

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**FOR GENERAL CLOSURE...**

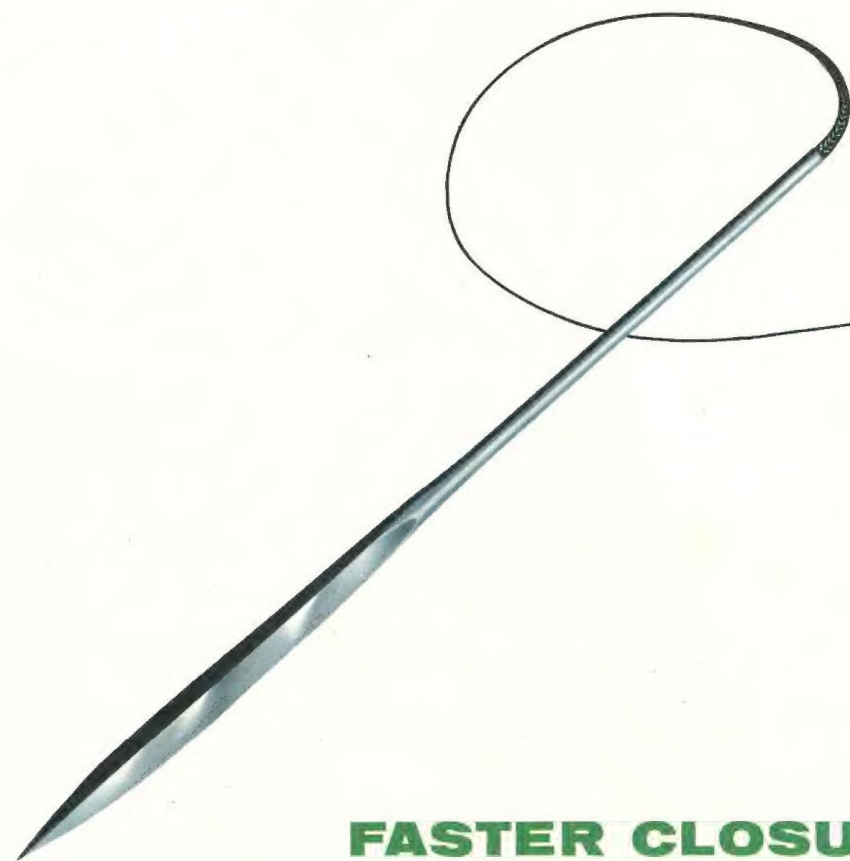
**A WIDE CHOICE OF**

**ATRALOC® NEEDLE-SUTURES**

**ETHICON®**

606/228

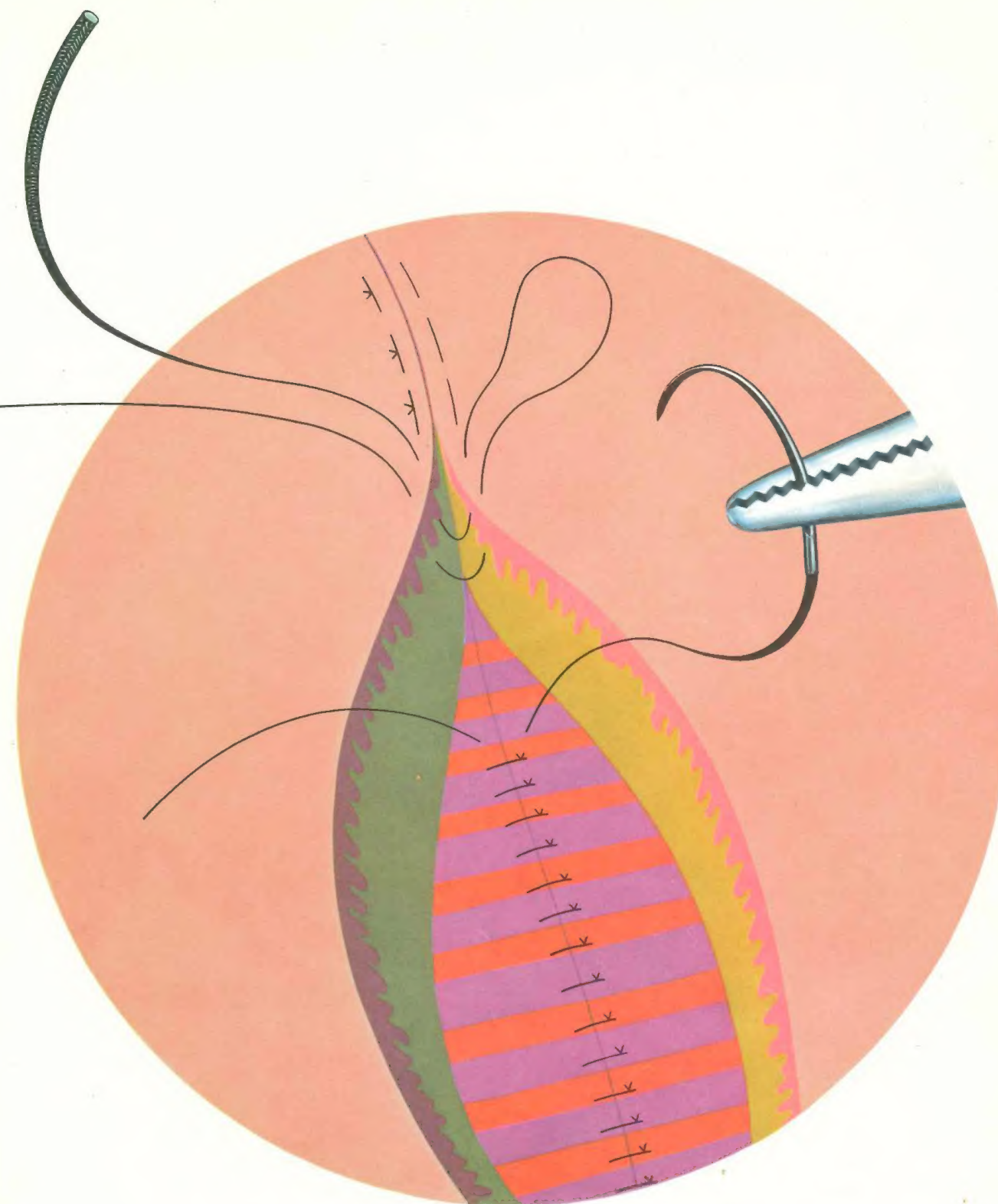




**FASTER CLOSURE**  
**...BETTER COSMETIC RESULTS**  
**KEITH ATRALOC® NEEDLE**


Shallow bite of this specially designed needle saves time and effort in closure. May be held in the hand without needle holder while the other hand approximates tissue. Because Keith Needles are swaged to the suture material, needle-suture combinations are ready for use... discomfort and trauma are minimized. Supplied with strong, easy-handling MERSILENE® Polyester Fiber or PERMA-HAND Surgical Silk.





**ETHICON®**





# ETHICON GENERAL CLOSURE NEEDLE-SUTURES TO MEET INDIVIDUAL NEEDS AND PREFERENCES

ATRALOC®			FOIL PACKETS STERILE-PACK DRY		FOIL PACKETS STERILE-PACK WET		GLASS TUBES
SIZE	NEEDLES	LENGTH	3 DOZ. BOX	1 DOZ. BOX	3 DOZ. JAR	1 DOZ. BOTTLE	3 DOZ. JAR
 <b>SURGICAL GUT, U.S.P. — Non-Boilable, PLAIN, TYPE A</b>							
000	CT-1	27"	842H		842F		J-842*
000	CT	27"	852H		852F		J-852*
000	CP-1	27"	899H		899F		J-899*
00	CT-1	27"	843H		843F		J-843*
00	CT	27"	853H		853F		J-853*
00	CP-1	27"	898H		898F		J-898*
0	CT-1	27"	844H		844F		J-844*
0	CT	27"	854H		854F		J-854*
0	CP-1	27"	897H		897F		J-897*
1	CT-1	27"	845H		845F		J-845*
1	CT	27"	855H		855F		J-855*
<b>MEDIUM CHROMIC, TYPE C</b>							
000	KS	30"	654H		654F		
000	CT	27"	800H		800F		J-800*
000	CT-1	27"	810H		810F		J-810*
000	CP-1	27"	815H		815F		J-815*
000	CP	27"	832H		832F		J-832*
000	CTX	27"	862H		862F		J-862**
000	CT-2	27"	882H		882F		J-882
000	CP-2	27"	886H		886F		J-886
000	CT-3	27"	892H		892F		J-892
00	KS	30"	655H		655F		
00	CT	27"	801H		801F		
00	CT-1	27"	811H		811F		J-811*
00	CP-1	27"	816H		816F		J-816*
00	CP	27"	833H		833F		J-833*
00	CTX	27"	863H		863F		J-863**
00	CT-2	27"	883H		883F		J-883
00	CP-2	27"	887H		887F		J-887
00	CT-3	27"	893H		893F		J-893
0	CT	27"	802H		802F		J-802*
0	CP	27"	804H		804F		J-804*
0	CT-1	27"	812H		812F		J-812*
0	CP-1	27"	817H		817F		J-817*
0	CTX	27"	864H		864F		J-864**
0	CT-2	27"	884H		884F		J-884
0	CP-2	27"	888H		888F		J-888
0	CT-3	27"	894H		894F		J-894
1	CT	27"	803H		803F		J-803*
1	CP	27"	805H		805F		J-805*
1	CT-1	27"	813H		813F		J-813*
1	CP-1	27"	818H		818F		J-818*
1	CTX	27"	865H		865F		J-865**
1	CT-2	27"	885H		885F		J-885
1	CP-2	27"	889H		889F		J-889
2	CP	27"	806H		806F		J-806*
2	CT-1	27"	814H		814F		J-814*
2	CP-1	27"	819H		819F		J-819*
2	CT	27"	826H		826F		J-826*

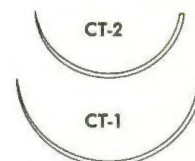
ATRALOC®			FOIL PACKETS STERILE-PACK DRY		FOIL PACKETS STERILE-PACK WET		GLASS TUBES	
SIZE	NEEDLES	LENGTH	3 DOZ. BOX	1 DOZ. BOX	3 DOZ. JAR	1 DOZ. BOTTLE	3 DOZ. JAR	1 DOZ. BOTTLE
 <b>SURGICAL SILK, U.S.P. — Non-Capillary, TYPE B, BLACK BRAIDED</b>								
5-0	TS	30"	620H	620G	620F	620A		
4-0	TS	30"	619H		619F			
4-0	KS	30"	621H	621G	621F	621A	J-621	B-621
000	CT-1	30"	422H		422F		J-422*	
000	CP-1	30"	442H		442F		J-442*	
000	KS	30"	622H	622G	622F	622A	J-622	B-622
00	CT-1	30"	423H		423F		J-423*	
00	CP-1	30"	443H		443F		J-443*	
00	KS	30"	623H	623G	623F	623A	J-623	B-623
0	CT-1	30"	424H		424F		J-424*	
0	KS	30"	624H	624G	624F	624A	J-624	B-624
 <b>SURGICAL COTTON, U.S.P. — WHITE TWISTED</b>								
4-0	CT-2	30"	461H		461F			
4-0	KS	30"			617F		J-617	
000	CT-2	30"	462H		462F			
000	CT-1	30"			472F		J-472*	
000	CP-1	30"			492F		J-492*	
000	KS	30"			616F		J-616	
00	CT-2	30"	463H		463F			
00	CT-1	30"			473F		J-473*	
00	CP-1	30"			493F		J-493*	
00	KS	30"			615F		J-615	
0	CT-2	30"	464H		464F			
0	CT-1	30"			474F		J-474*	
 <b>MERSILENE® POLYESTER FIBER, U.S.P. — MONOFILAMENT GREEN</b>								
4-0	KS	30"	R-621H		R-621F			
4-0	CT-1	30"	R-421H		R-421F			
000	KS	30"	R-622H		R-622F			
000	CT-1	30"	R-422H		R-422F			
00	KS	30"	R-623H		R-623F			
00	CT-1	30"	R-423H		R-423F			
 <b>SURGICAL STEEL, U.S.P. — MONOFILAMENT (CARD REELS, 1 DOZ. BOX, NOT STERILE)</b>								
4-0	KS	20"	481					
000	CT-2	20"	427					
000	CT-1	20"	432					
000	CP-2	20"	437					
000	CP-1	20"	497					
00	CT-2	20"	428					
<b>MULTIFILAMENT (CARD REELS, 1 DOZ. BOX, NOT STERILE)</b>								
000	CT-2	20"	447					
000	CP-2	20"	457					
000	CT-1	20"	477					
000	CP-1	20"	487					

\*2 dozen jar

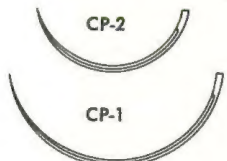
\*\*1 dozen jar

## ATRALOC® NEEDLES

### ½ CIRCLE TAPER



### ½ CIRCLE REVERSE CUTTING



### STRAIGHT CUTTING



NEEDLES SHOWN ACTUAL SIZE

# ADVANCING WITH SURGERY





# GENERAL CLOSURE SUTURES

AVAILABLE IN FIVE MATERIALS



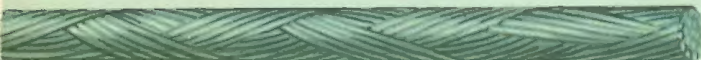
## **SURGICAL GUT**

Collagen-Pure Surgical Gut provides greater uniformity in strength and absorption...minimal antigenicity...practically eliminates the possibility of allergic reaction.



## **SURGICAL SILK**

Through built-in controlled processing, PERMA-HAND Surgical Silk insures optimum strength and extensibility plus superior handling characteristics.



## **MERSILENE®**

Non-absorbable MERSILENE Polyester Fiber possesses a greater tensile strength than natural fiber...a non-waxed, smooth surface that minimizes trauma and tissue reaction.



## **SURGICAL COTTON**

This suture material is made from long-staple, specially processed cotton...provides strength up to 30% greater than U.S.P. requirements.



## **SURGICAL STEEL**

Formulated to exacting specifications, ETHICON Surgical Steel offers almost complete physiological inertness...won't kink, twist, or break during use.

# ETHICON®